

Brief Alcohol Screening and Intervention for College Students (BASICS)

Program description:

Brief Alcohol Screening and Intervention for College Students (BASICS) is a prevention program for heavy-drinking college students who are at risk for alcohol-related problems. At-risk students are identified and provided two 1-hour motivational interviews and an assessment with customized feedback.

Typical age of primary program participant: 19

Typical age of secondary program participant: N/A

Meta-Analysis of Program Effects

Outcomes Measured	Primary or Secondary Participant	No. of Effect Sizes	Unadjusted Effect Sizes (Random Effects Model)			Adjusted Effect Sizes and Standard Errors Used in the Benefit-Cost Analysis					
						First time ES is estimated			Second time ES is estimated		
			ES	SE	p-value	ES	SE	Age	ES	SE	Age
Alcohol abuse or dependence	P	7	-0.26	0.07	0.00	-0.13	0.07	19	-0.13	0.07	29

Benefit-Cost Summary

The estimates shown are present value, life cycle benefits and costs. All dollars are expressed in the base year chosen for this analysis (2011). The economic discount rates and other relevant parameters are described in Technical Appendix 2.	Program Benefits					Costs	Summary Statistics			
	Parti- pants	Tax- payers	Other	Other Indirect	Total Benefits		Benefit to Cost Ratio	Return on Invest- ment	Benefits Minus Costs	Probability of a positive net present value
	\$1,816	\$771	\$106	\$418	\$3,110		\$13.75	28%	\$2,883	97%

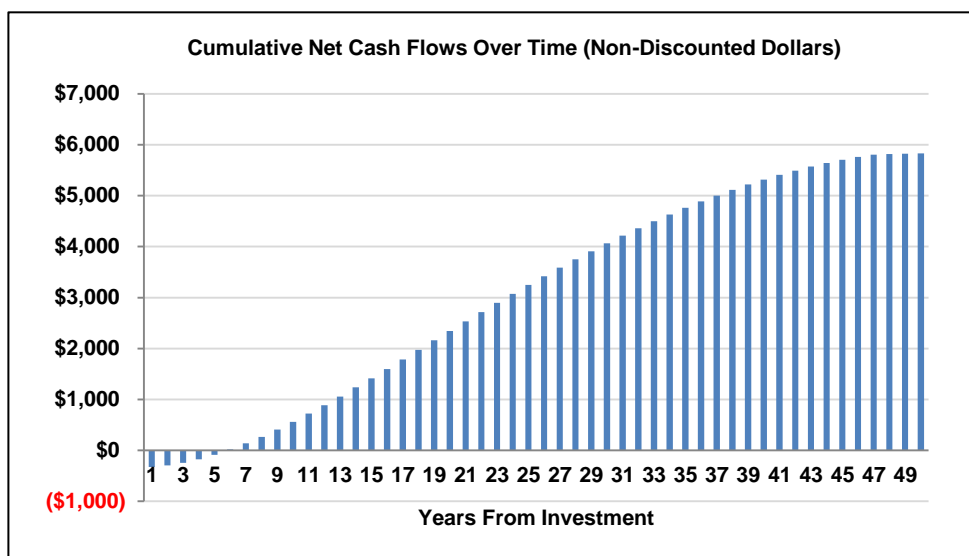
Detailed Monetary Benefit Estimates

Source of Benefits	Benefits to:				
	Parti- pants	Tax- payers	Other	Other In- direct	Total Benefits
Earnings via alcohol disorder	\$1,775	\$653	\$0	\$360	\$2,788
Health care costs for alcohol disorder	\$34	\$118	\$92	\$58	\$301
Property loss from alcohol disorder	\$7	\$0	\$13	\$0	\$20

Detailed Cost Estimates

The figures shown are estimates of the costs to implement programs in Washington. The comparison group costs reflect either no treatment or treatment as usual, depending on how effect sizes were calculated in the meta-analysis. The uncertainty range is used in Monte Carlo risk analysis, described in Technical Appendix 2.	Program Costs			Comparison Costs			Summary Statistics	
	Annual Cost	Program Duration	Year Dollars	Annual Cost	Program Duration	Year Dollars	Present Value of Net Program Costs (in 2011 dollars)	Uncertainty (+ or - %)
	\$170	1	1997	\$0	1	1997	\$226	10%

Source: Costs are based on an average of 2 hours of counseling by a trained therapist per intervention. The hourly rate was reported in Office of Applied Studies. (2004, June). Alcohol and drug services study (ADSS) cost study. Rockville, MD: Department of Health & Human Services, Substance Abuse and Mental Health Services Administration, Author, p. 23. Another 12 percent was added to costs for administration.



Multiplicative Adjustments Applied to the Meta-Analysis

Type of Adjustment	Multiplier
1- Less well-implemented comparison group or observational study, with some covariates.	0.5
2- Well-implemented comparison group design, often with many statistical controls.	0.5
3- Well-done observational study with many statistical controls (e.g., IV, regression discontinuity).	0.75
4- Random assignment, with some RA implementation issues.	0.75
5- Well-done random assignment study.	1.00
Program developer = researcher	0.5
Unusual (not "real world") setting	0.5
Weak measurement used	0.5

Studies Used in the Meta-Analysis

- Baer, J. S., Kivlahan, D. R., Blume, A. W., McKnight, P., & Marlatt, G. A. (2001). Brief intervention for heavy-drinking college students: 4-year follow-up and natural history. *American Journal of Public Health*, 91(8), 1310-1316.
- Borsari, B., & Carey, K. B. (2000). Effects of a brief motivational intervention with college student drinkers. *Journal of Consulting and Clinical Psychology*, 68(4), 728-733.
- Juarez, P., Walters, S. T., Daugherty, M., & Radi, C. (2006). A randomized trial of motivational interviewing and feedback with heavy drinking college students. *Journal of Drug Education*, 36(3), 233-246.
- Larimer, M. E., Turner, A. P., Anderson, B. K., Fader, J. S., Kilmer, J. R., Palmer, R. S., & Cronce, J. M. (2001). Evaluating a brief alcohol intervention with fraternities. *Journal of Studies on Alcohol*, 62(3), 370-380.
- Murphy, J. G., Duchnick, J. J., Vuchinich, R. E., Davison, J. W., Karg, R. S., Olson, A. M., . . . Coffey, T. T. (2001). Relative efficacy of a brief motivational intervention for college student drinkers. *Psychology of Addictive Behaviors*, 15(4), 373-379.
- Schaus, J. F., Sole, M. L., McCoy, T. P., Mullett, N., & O'Brien, M. C. (2009). Alcohol screening and brief intervention in a college student health center: A randomized controlled trial. *Journal of Studies on Alcohol and Drugs, Suppl. 16*, 131-141.